

APPLICATIONS ARCHITECTURE INFORMATION BRIEF

November 2003

DOT.Comm

Douglas Omaha Technology Commission



OVERVIEW

- Deloitte & Touche Recommendations
- Architecture Strategy
- DOT.Comm Architecture
- Existing and Future Environments
- Summary



Deloitte & Touche Architecture Strategy Recommendations

- Pursue Packaged Software Solutions
- Establish Software Selection Methodology
- Provide Secure Information Access
- Pursue Open Architecture
- Utilize Compatible Technologies
- Dependent upon Functional Requirements

Source: Strategic Information Systems Plan, Deloitte & Touche, September 12, 2000

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ARCHITECTURE STRATEGY

- Model after the Federal Enterprise Architecture (FEA) and Leading Software Providers (Microsoft and Oracle)
- <http://www.feapmo.gov/fea.asp>

Federal Enterprise Architecture (FEA)



APPLICATIONS ARCHITECTURE LAYERS, FUNCTIONS & COMPONENTS

USERS

ACCESS

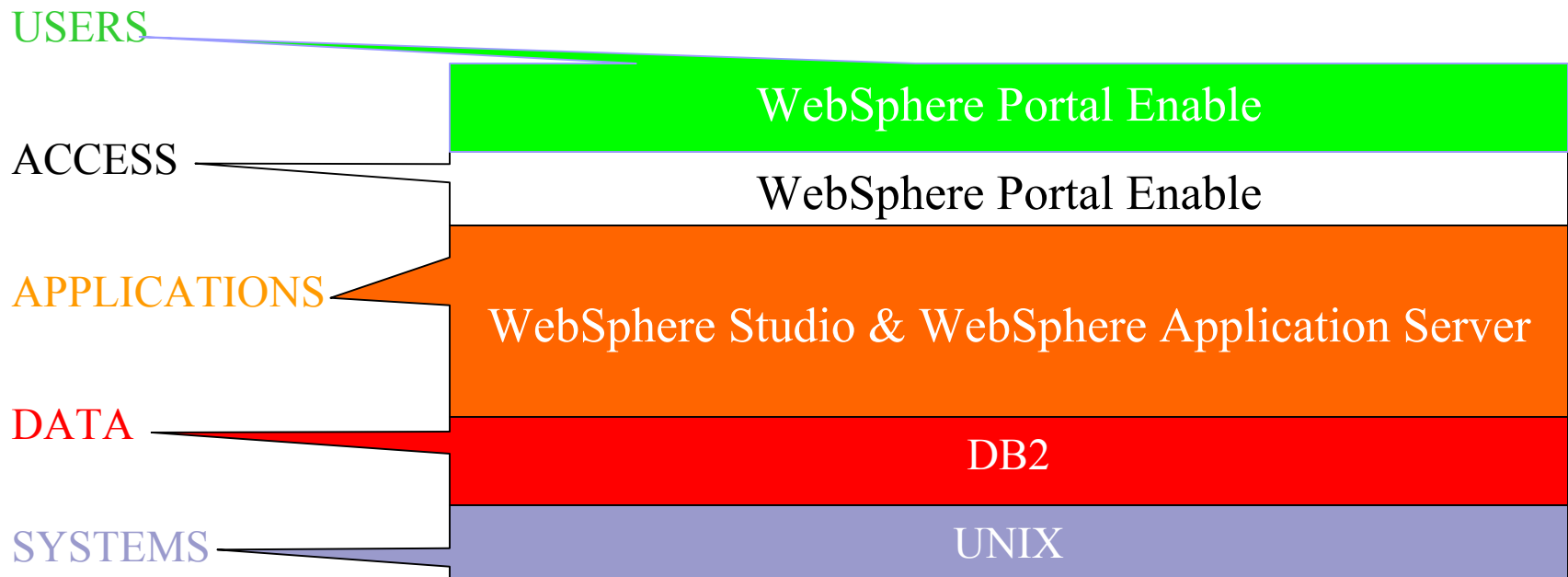
APPLICATIONS

DATA

SYSTEMS

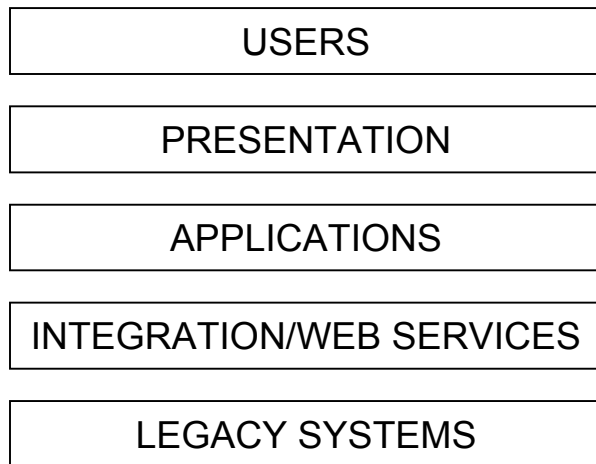
Internet	Intranet	Extranet
Resident Visitor	Business	Employee
3270 Internet Explorer	Web Browser Terminal Emulation	5250 Netscape
Business Rules Based Data Creation		
JAVA .Net	HTML XML	COBOL SQL
Business Rules Based Data Storage		
Enterprise Relational Database Management System & Spatial Data		
Integration	Interoperability	Interfaces
Data Storage Systems	Applications	Data Feeds

APPLICATION INDEPENDENT PLATFORM (AIP)

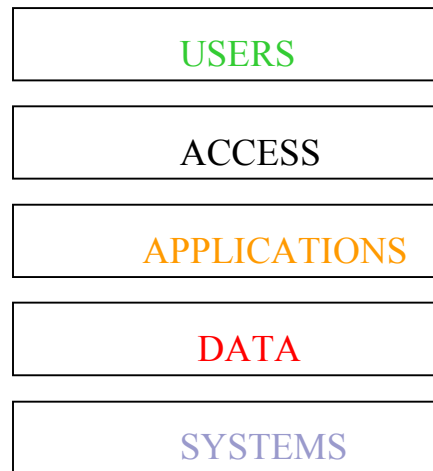


ENTERPRISE APPLICATION ARCHITECTURES

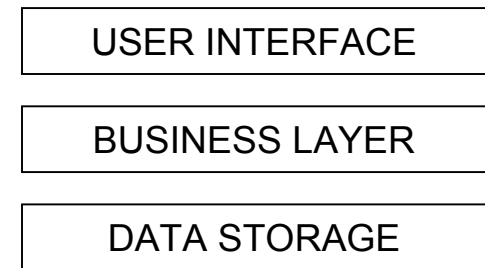
Oracle



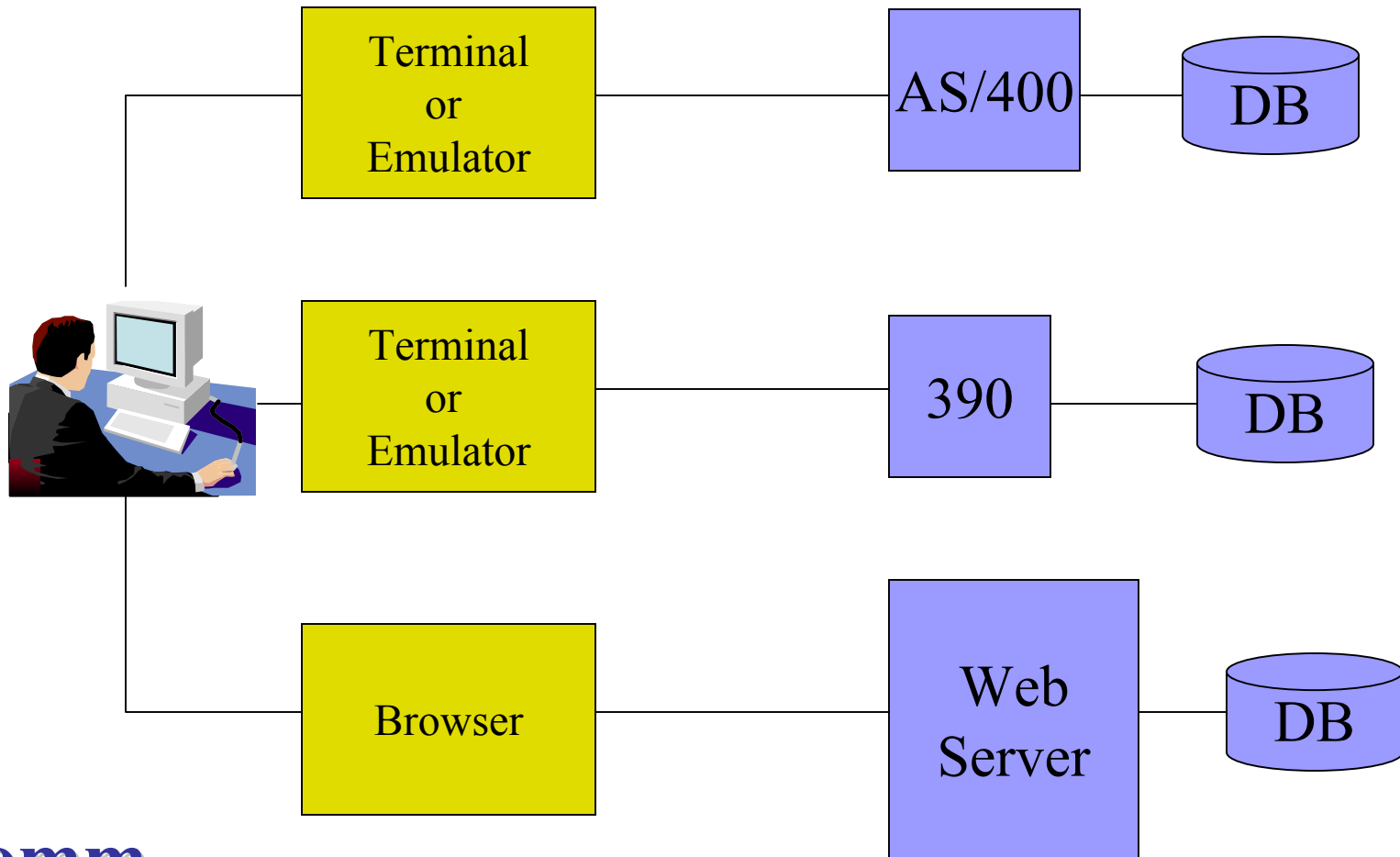
DOT.Comm



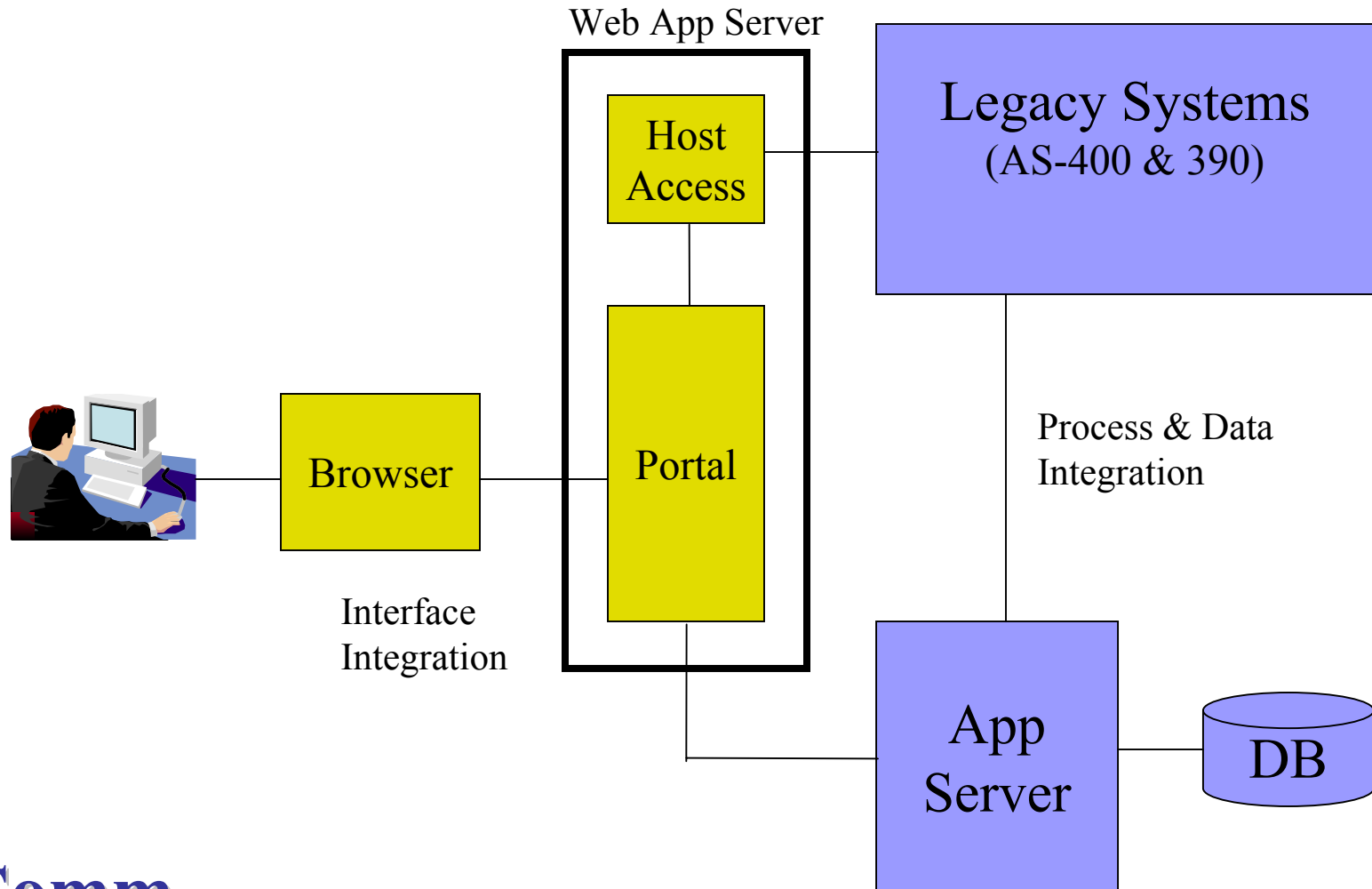
Microsoft



Existing Environment



Future Environment



SUMMARY

- Exploits COTS Products
- Cost Effective
- Provides Ease of Access to Data
- Meets the Needs of the Government Business Units and Citizens
- Multi-Lingual Support